

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004486

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> H05B33/12, 33/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H05B33/12, 33/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

JSTPlus (JOIS), WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-313553 A (Kansai TLO Kabushiki Kaisha), 25 October, 2002 (25.10.02), Par. Nos. [0018] to [0037] (Family: none)	3-5, 8-13
A	JP 11-329734 A (Mitsubishi Chemical Corp.), 30 November, 1999 (30.11.99), Claims; Par. Nos. [0011], [0040] (Family: none)	3-5, 8-13
A	JP 2003-59670 A (Toray Industries, Inc.), 28 February, 2003 (28.02.03), Par. Nos. [0015] to [0016] (Family: none)	3-5, 8-13

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

22 June, 2005 (22.06.05)

Date of mailing of the international search report

12 July, 2005 (12.07.05)

Name and mailing address of the ISA/  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2003/022008 A1 (THE TRUSTEES OF PRINCETON UNIVERSITY, THE UNIVERSITY OF SOUTHERN CALIFORNIA), 13 March, 2003 (13.03.03), Page 17, lines 17 to 30 & US 2003/0059647 A1 & US 2003/0068528 A1 & EP 001421827 A & WO 2003/022007 A1	3-5, 8-13
Y	JP 8-78163 A (Chemipro Kasei Kaisha, Ltd.), 22 March, 1996 (22.03.96), Full text; Figs. 2, 3, 6 (Family: none)	10-13
A	Shizuo TOKITO, Toshiki IIJIMA, Toshimitsu TSUZUKI and Fumio SATO, High-efficiency white phosphorescent organic light-emitting devices with greenish-blue and red-emitting layers, Applied Physics Letters, 83, 22 September, 2003 (22.09.03), pages 2459 to 2461	10-13
A	JP 2001-313180 A (Samsung SDI Kabushiki Kaisha), 09 November, 2001 (09.11.01), Par. Nos. [0010] to [0033]; Fig. 2 (Family: none)	10-13
A	WO 2003/059015 A1 (THE TRUSTEES OF PRINCETON UNIVERSITY, THE UNIVERSITY OF SOUTHERN CALIFORNIA), 17 July, 2003 (17.07.03), Page 27, line 31 to page 28, line 2 & US 2003/0124381 A1 & US 2003-0175553 A1 & US 2004-0048101 A1 & EP 001472908 A	12
A	JP 2003-171385 A (Mitsumi Electric Co., Ltd.), 20 June, 2003 (20.06.03), Par. No. [0086] & US 2003/0087128 A1	12
E, X E, Y E, A	JP 2005-150082 A (Pentax Kabushiki Kaisha, Yugen Kaisha Aitishi), 09 June, 2005 (09.06.05), Claims; Par. Nos. [0016] to [0036]; Figs. 1, 2 (Family: none)	1, 8-10, 13 5, 11-12 2-4, 6-7